PATENT

Attorney Docket No.: VOSS1170

In re Application of Ulrich Braun

Application No.: 09/890,113

Filed: January 7, 2002

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Amendments to the Claims

Please amend claims 1 and 12 as indicated in the Listing of Claims.

This listing of claims will replace all prior versions and listings of claims in the

application:

**Listing of Claims:** 

1. (Currently Amended): A device for a urine separating toilet comprising a urine outlet and a

faecal outlet for separately collecting and draining faeces and urine, a toilet bowl, and a

toilet seat, said device comprising:

a) a device for opening the urine outlet if a user sits down on the toilet, sits down

on the toilet seat, or tips the toilet seat backward,

b) a device for closing the urine outlet if the user rises after the opening of the

urine outlet or tips the toilet seat downward, and

c) a device for flushing the entire toilet bowl when the urine outlet is closed,

wherein solids that remain around or upon the closed urine outlet can be transported

with flushing water to the faecal outlet,

wherein no partition wall is located between the urine outlet and the

faecal outlet, and/or wherein no liquids remain around or upon the closed urine outlet,

but all liquids are drained by the force of gravity into the faecal outlet.

2. (Previously Presented): A device for a urine separating toilet according to claim 1, wherein

the device comprises a feature for blocking a flushing valve if a user sits down on the toilet

or tips the toilet seat backward, said feature releasing the flushing valve if the user rises or

tips the toilet seat downward.

3. (Previously Presented): A device according to claims 1 or 2 for separate collection of urine

and faeces in a urine separating toilet, wherein no partition wall is located between the

urine outlet and the faecal outlet.

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(Previously Presented): A device according to claims 1 or 2, wherein no liquids remain

around or upon the closed urine outlet, but all liquids are drained by the force of gravity

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into the faecal outlet.

5. (Previously Presented): A device according to claims 1 or 2, wherein the toilet bowl shows

protrusions at the inner surface to force the urine into the urine outlet.

(Previously Presented): A device according to claims 1 or 2, wherein the toilet further

comprises one or more flush buttons which are covered by the tipped up toilet seat.

7. (Previously Presented): A device according to claims 1 or 2, wherein the faecal outlet is

designed as a vacuum drain.

8. (Previously Presented): A device according to claim 2, wherein the inner surface of the

toilet bowl is equipped with a dirt and water rejecting nano surface layer.

9. (Previously Presented): A method for operating a urine separating toilet comprising:

opening a urine outlet if a user sits down upon a toilet or a toilet seat or tips the a)

toilet seat backward,

b) closing of the urine outlet if the user rises or tips the toilet seat downward, and

c) flushing the entire toilet bowl when the urine outlet is closed, wherein solids

that remain around or upon the closed urine outlet can be transported with flushing

water to the faecal outlet.

10. (Previously Presented): A method according to claim 9, wherein a flushing valve is blocked

if a user sits down upon the toilet or tips the toilet seat backward, and the flushing valve is released

again if the user rises or tips the toilet seat downward.

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11. (Previously Presented): A device for a urine separating toilet comprising a urine outlet and

a faecal outlet for separately collecting and draining faeces and urine, a toilet bowl, and a

toilet seat, said device comprising:

a) the urine outlet housed hydraulically in front of the faecal outlet, and

b) a device for opening the urine outlet if a user sits down on the toilet, sits down

on the toilet seat, or tips the toilet seat backward,

c) a device for closing the urine outlet if the user rises after opening of the urine

outlet or tips the toilet seat downward, wherein the inner surface of the toilet bowl is

equipped with a dirt and water rejecting nano surface layer, and

d) a device for flushing the entire toilet bowl, wherein solids are transported into

the faecal outlet with flushing water.

12. (Currently Amended): A device according to claim 11, wherein the device [comprisies]

comprises a feature for blocking a flushing valve if a user sits down on the toilet or tips the

toilet seat backward, said feature releasing the flushing valve if the user rises or tips the toilet

seat downward.

13. (Previously Presented): A device according to claim 11 or 12, wherein no partition wall is

located between the urine and faecal outlets.

14. (Previously Presented): A device according to claim 11 or 12, wherein no liquids remain

around or upon the closed urine outlet, and all liquids are drained by the force of gravity

into the faecal outlet.

15. (Previously Presented): A device according to claim 11 or 12, wherein the toilet bowl

shows protrusions at the inner surface to force the urine into the urine outlet.

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16. (Previously Presented): A device according to claim 11 or 12, wherein the tipped backward

toilet seat covers the flush-button or buttons.

17. (Previously Presented): A device according to claim 11 or 12, wherein the faecal outlet is

designed as a vacuum drain.

18. (Previously Presented): A device according to claim 1 or 2, wherein the urine outlet is

operated water-free.

19. (Previously Presented): A device for a urine separating toilet comprising a urine outlet and

a faecal outlet for separately collecting and draining of faeces and urine, a toilet bowl, and

a toilet seat, said device comprising:

a device for opening the urine outlet if a user sits down on the toilet, sits down a)

on the toilet seat, or tips the toilet seat backward,

a device for closing the urine outlet if the user rises after opening of the urine b)

outlet or tips the toilet seat downward,

a device for flushing the entire toilet bowl, wherein solids are transported into c)

the faecal outlet with flushing water, and

a device for draining the faecal outlet with under-pressure, wherein the drainage d)

can be caused by activating flushing according to step c).

20. (Previously Presented): A device for a urine separating toilet according to claim 19,

wherein the device comprises a feature for blocking a flushing valve if a user sits down on

the toilet or tips the toilet seat backward, said feature releasing the flushing valve if the

user rises or tips the toilet seat downward.

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## **Amendments to the Drawings**

The attached sheets of drawings include changes to Figures 1, 2 and 3. The sheets, which include Figures. 1, 2A-2D, and 3A-3B and which are filed as formal drawings, replace the original sheets, which include Figures 1, 2, and 3 and replacement Figures 1, 2A-2D, and 3A-3B, which were filed with the previous Response.

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A copy of the replacement sheets (EXHIBIT A) and an annotated version of the replacement sheets (EXHIBIT B) showing and indicating changes, is provided, as well as a separate letter to the draftsperson with a redlined version showing changes made. Since the previous figures were apparently not entered, the markings shown in Exhibit B indicate changes with respect to the originally-filed drawings. In Figure 1 and Figures 2A-2D, cross hatchings were added. In Figure 1 and figures 2A-2D the term "Schnitt" was replaced with figure numbers e.g., "FIG 2A." In Figure 1 and Figures 2A-2B element numbers were changed. In Figure 3, the inset was relabeled as FIG 3B and the large drawing was relabeled as FIG 3A.

Attachment: (EXHIBIT A) Replacement Sheets

(EXHIBIT B) Annotated Sheets Showing Changes